

I. List 3-5 Student Learning Outcomes for students enrolled in your program.

These should be broad overarching learning goals. They are bigger than objectives.

Students in the Machine Metals program are provided with a well rounded theoretical background in the operation of 21st Century conventional and digitally controlled machine tools. They must apply this knowledge with hands-on operation of lathes, milling machines, grinding machines, and related industrial machine tools. They are trained on the use of precision hand tools, measuring instruments and the techniques of precision machining.

With this knowledge and skills base, they can then solve problems in a series of laboratory exercises which reflect industry based manipulative skill proficiencies.

II. Align the Program Level SLOs with the College Goals.

Briefly discuss how your program meets the goals of the college.

The Machine Metals Program aligns with all the College Goals. It provides high quality instruction with a rich curriculum in a modern, well equipped state-of-the industry facility. Classes are scheduled over a broad spectrum of hours and days to meet the needs of students and professionals upgrading their skills. The program also provides a vocational career path for many rewarding careers.

III. Assess the student success in your program.

How do you know students learned the core SLOs by the completion of curriculum/program. Include data to support these findings.

Students in the Machine Metals Program work in a supportive environment that emphasizes hands-on skill development and the practical application of the theoretical principles they have learned. They are continually producing examples of their work that can be held, critiqued and modified. They can monitor their own progress and reflect on their skills advancement with each piece they produce.

IV. Document student success/achievement in the program.

Possible documentation materials might include Degrees, Awards, Transfer, Portfolios, Capstone Assignments, Success in Job Placement, etc.)

The instructors in the Program are industry trained and the curriculum is monitored by an industry advisory council to assure adherence to current industry standards. This insures that the program is relevant to today's manufacturing marketplace. The Program maintains an extensive database of local and regional employment opportunities and graduates are currently employed throughout the Bay Area.

V. Note areas for future improvement.

Address needs of program like curricular innovation, resource allocation, upgrading facilities , technology, unit allocation, staffing, etc.